

**Faculty of Medicine / STOMATOLOGY / PRECLINICAL ENDODONTICS**

<b>Course:</b>	PRECLINICAL ENDODONTICS			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
6829	Mandatory	8	5	2+2+0
<b>Programs</b>	STOMATOLOGY			
<b>Prerequisites</b>	Passed exam Restorative Dentistry			
<b>Aims</b>	After completion of theory and practical exercises, the student should: a challenge tehnbiku placing a rubber dam is to know basic anatomical and morphological characteristics of root canal system of teeth groups, to understand the importance of access cavity in endodontics treatment, to know about the different priests odontometrics, he knows the basic endodontic instruments, he knows the techniques and medications that are using irrigation and medication of root canals, he knows the different techniques reparations tooth roots, he knows all phases of endodontic procedures, and understanding of their importance to the final outcome of the treatment of diseased teeth, he knows the methods of endodontic treatment of affected teeth			
<b>Learning outcomes</b>	After completing one semester subjects in Preclinical endodontics, dental student should possess the following learning outcomes : 1. Knowledge of basic methods of endodontic treatment of teeth. 2. Knowledge of basic anatomy morphological characteristics in canal system all groups of teeth. 3. Knows , and explains properly performed access cavity preparation techniques odontometrics, irrigation, medication and obturation in laboratory conditions. 4. Knowledge of the proper use of primary endodontic instruments in the canal system is extracted teeth of different morphology group. 5. Knows and properly applies materials in endodontic procedures. 6. All learned procedures and actions can be fully applied in the clinical setting.			
<b>Lecturer / Teaching assistant</b>	Assist Prof Mirjana Đuričković			
<b>Methodology</b>	Lectures, colloquia, exercises, seminars			
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	Anatomical and morphological characteristics of dental pulp space			
I week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
II week lectures	Basic principles of endodontic treatment of teeth, treatment plan and operational phases			
II week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
III week lectures	Endodontic instruments for root canal tooth: manual, mechanical and ultrasonic			
III week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
IV week lectures	Preparation of the access of the cavity depending on the morphological group of teeth			
IV week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
V week lectures	Testing of initial mobility channels, and extirpation odontometric			
V week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
VI week lectures	Manual techniques and methods of preparation of the root canal tooth			
VI week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
VII week lectures	Mechanical engineering preparation of root canal			
VII week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
VIII week lectures	Irrigated root canal teeth - the means and method of administration			
VIII week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
IX week lectures	Medication root canal teeth - the means and method of administration			
IX week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
X week lectures	Obturing root of the tooth - the means and method of administration			
X week exercises	Exercises follow the lectures. Practical work on extracted teeth.			
XI week lectures	Asepsis and antisepsis in endodontics			
XI week exercises	Exercises follow the lectures. Practical work on extracted teeth.			

XII week lectures	Pulp disease in apex periodontium: etiology, pathogenesis and symptomatology					
XII week exercises	Exercises follow the lectures. Practical work on extracted teeth.					
XIII week lectures	Classification of pulp disease in apex periodontium					
XIII week exercises	Exercises follow the lectures. Practical work on extracted teeth.					
XIV week lectures	Biopulpotomia, necropulpotomia-Indications and protocol work					
XIV week exercises	Exercises follow the lectures. Practical work on extracted teeth.					
XV week lectures	Biopulpectomia, necropulpectomia-Indications and protocol work					
XV week exercises	Exercises follow the lectures. Practical work on extracted teeth.					
<b>Student workload</b>	Students (weekly): 6.75 credits x 40/30 = 9Sat Structure: 1 hour lecture 5 exercises 1 hour individual work including consultations Load students (semester): Teaching and the final exam (9 h x 16 = 144h). Necessary preparation (before semester enrollment, etc ...) 9h x 2 = 18 h Total load: 6.75 x 30 = 202,5h Additional work 40,5h The structure of the load 144 h + 18 h + 40.5 h					
<b>Per week</b>			<b>Per semester</b>			
<b>5 credits x 40/30=6 hours and 40 minuts</b> 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises <b>2 hour(s) i 40 minuts</b> of independent work, including consultations			Classes and final exam: <b>6 hour(s) i 40 minuts x 16 =106 hour(s) i 40 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>6 hour(s) i 40 minuts x 2 =13 hour(s) i 20 minuts</b> Total workload for the subject: <b>5 x 30=150 hour(s)</b> Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) <b>30 hour(s) i 0 minuts</b> Workload structure: <b>106 hour(s) i 40 minuts (courses), 13 hour(s) i 20 minuts (preparation), 30 hour(s) i 0 minuts (additional work)</b>			
<b>Student obligations</b>			The presence of theoretical and practical training is mandatory. Presentation of the seminar and participation in discussions on the topic is required and assessed.			
<b>Consultations</b>			The teacher and associates held consultations with students once a week, in the period that is defined at the beginning of the semester			
<b>Literature</b>			Bergenholtz et al. Textbook of Endodontology, 2nd eds, Wiley-Blackwell, Chichester, UK, 2010. 2. Leif Tronstad. Clinical endodontics-a textbook, 3rd eds, Thieme, NY, USA, 2009. 3.Slavoljub Živković et al. Practice of endodontic therapy, Data Status, Belgrade,2017.			
<b>Examination methods</b>			2 colloquia 20 points Seminar 9 points Final exam 50 points. Passing grade gets the cumulative collect the minimum of 51			
<b>Special remarks</b>			Mandatory narrowly professional subject			
<b>Comment</b>			No			
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points